

~~772~~

20. 9 -2

8/10/2010

Crew: Capt. R. Young, PI. J. Flocks,
Kyle Kelso, Chandra Dreher

Project 10CCT05
Moss Point, MS

Vibracores collected along AL/MS coast from Dauphin Is to
Ship Is. Vibracore are labeled 10CCT05-## (##= Core Number).

10CCT05-01 - No Recovery

pick 51

Time Start: 9:35 am EST

wd: 20.2'

Lat: $30^{\circ}20'55''$

Core length: N/A

Pen Start: 3787

Hard packed sand

Pen Stop: refusal @ 170° refusal @ 2', core lost 3x

* Note No real penetrometer using voltmeter (52).

10CCT05-01

pick 50

Time Start: 1139

wd: 14.4'

Lat: $30.20'16''$

Long: $88.49'56''$

Core length: 68.5 cm

Pen Start: 137

Pen Stop:

10CCT05-02

pick 48

StartTime: 1224

Lat: 30.19028

wd: 33'

Long: 88.45889

Corelength: 580 cm.

PenStart: ~~181~~ 185

PenStop: 572 (full?)

10CCT05-03

pick 49

StartTime: 1308

wd: 25'

Lat: 30.19104

Long: 88.44643

Corelength:

PenStart: 231

refusal 2x, no recovery. Super-white

PenStop: 299 refusal

sand w/ some streaks on deck

10CCT05-03

pick 47

StartTime: 1404

wd: 37.2'

Lat: 30.18493

Long: 88.42175

Corelength: 531 cm

PenStart: 160

PenStop: 550 (full) sandy base

10CCT05-04

Pick 46

Start Time: 1454

wd: 28.2'

Lat: 30.19264

Long: 88.39102

corelength: 101.25

Pen Start: 280

Pen Stop: 370 refusal

10CCT05-05

Pick 45

Start Time: 1614

wd: 20.2'

Lat: 30.20681

Long: 88.31824

Corelength:

Pen Start: 22 refusal at 3 feet - no recovery

Pen Stop:

EOD

10CCT05-05

Pick

Start time

wd:

Lat:

Long:

Corelength:

Pen Start:

Pen Stop:

8/13/10

Crew: Capt. Dave Bennett, PI. Jim Flocks
Kyle Kelso, Chandra Dreher

Project 10CCT05
Moss Point, MS

Note: Last 2 days weather dargs ... Went to go see ...
Well it was kind of sloppy or as one capt over the
radio says "its kind of poopy out there".

No cores today.

EOD

Crew: Capt. D. Bennett, PI. J. Flocks
K. Kelso, C. Dreher

8/14/10

Project 10CCT05
Moss Point, MS

Seas a bit better, Rain at themoment.

10CCT05 - 05

Pick 43

Start time: 1036, 1040

wd: 13.6'

Lat: 30.21967

Long: 88.37984

Core Length: 274.1 cm

Pen Start: 1036

Pen Stop: 1040 refusal @ 2' 16/2

Note: refusal @ 2', after turning off motor - barrel
sank, restarted and acquired another 3'

10CCT05-06

Start time: 1214

Lat: 30.21264

Long: 88.44321

Pen Start: 6.4
1214

Pen Stop: 34.2 refusal

Pick 42

Wd: 14.4'

Core length: 156.5 cm

10CCT05-07

Start time: 1305

Lat: 30.21811

Long: 88.47261

Pick 41

Wd: 18'

Core length: 118.5 cm
Short

Pen Start: 67.3 (~4')

Pen Stop: ~ gain (refusal)

~~Retry w/out catcher -
10CCT05-7B (same site as above)~~

time 1326

Pen Start: 69

Pen Stop: refusal, pen. broken no recovery - Core lost

Core length:

10CCT05-08

Pick 40

Start time 1354 1418 1431 -

Lat. 30.21860 30.21861 W.d. 9.4

Long 88.47968 88.47968 .47968

Pen start, broken, stop about ~1' meas. length 283 cm

Barrel lost - redo, no penetration ~redo, lost sample - re success! (4th try, no catcher)

925
844

10CCT05-09

Pick 37

Start time: 1634

Lat: 30.23364

wd: 24.4

Long: 88.59497

core length: 434.5

Pen Start: 923 (broken)

Pen Stop: 979 refusal ~15'

EOD

8/15/2010

Crew: Capt D. Bennett PI. J. Flocks
K. Kelso, C. Dreher

Project 10CCT 109
Moss Point, MS

10CCT05-10

Pick 35

Start Time: 1049 Local

wd: 16.9'

Lat: 30.24132

Long: 88.64284

core length: 374 cm

Pen Start: ~6' pen. 24.4

Pen Stop: 27.3' refusal.

10CCT05-11

Pick 36

Start Time 1128

Lat: 30.24559

wd: 9.6'

Long: 88.65047

core length: 333.5

Pen Start: broken ~13' pen.

Pen Stop:

OCCT05-12

Pick 17

Time Start: 30.24757

Lat: 88.67051

wd: 8.5

Long: time: 1220

Core length: 327 cm

Pen Start: broken ~18' pen.

Pen Stop:

OCCT05-13

Pick 18

Time Start: 1318

Lat: 30.23800

wd: 23.8'

Long: 88.69388

Core length: 286.5 cm
~~286.5~~

Pen Start: ~13'

Pen Stop: full?

OCCT05-14

Pick 38

Time Start: 1428

Lat: 30.23635

wd: 14.8'

Long: 88.54471

Core length: 131

Pen Start: 480 (~1')

Pen Stop: refused ~6-7'

OCCT05-14B same size as above, no core catcher

Start 1447 pen. broken

wd: same as 14

Lat → Same as 14

Long

Core length: 286.5

Terry Call 455 2010

pen initial 66 final 83'

10CCT 05-15

Start Time: 1526 →

Lat: 30.22732

Long: 88.54994

Pick 39

wd: 13.1'

core length: 399.5

Pen Start: *

Pen Stop: refusal ~ 11'

EOD

8/20/2010

Crew: Capt. K. Ludwig PI. J. Flucks
C. Dreher, J. Bernier

Note: 3 days of Weather / Crew Change back to
coreing ... Also have jetting system, New Panatrometer

10CCT 05-16 1205

Start time: 1444 local

Lat: 30.20543

Long: 88.50964

Pick 51

wd: 20'

(B) B-18' Jettied
core length: 188.50

Pen Start: 654

Pen Stop: 436

Sample lost - redo w/catcher

jetted to 300 492 - 816 (full) *

time 1327 no catcher start 65 - stop 408 - barrel broke off

* Note: started vibration at pen = 492, ~ 12.7' feet,
vibrated to 816, full barrel.

core length:

$\frac{1}{66}$ $\frac{20}{837}$ $\frac{X}{500}$

10CCT05-17

Start Time 1435

Lat: 30.19114

Long: 88.44666

cm

Pen Start: 65.7

Pen Stop: ~~454518~~ sample lost - retry, recovered ~10.5'

Pick 49

wd: 23'

corelength: 328cm

10CCT 05-18

Start Time: ~~1535~~ 1632

Lat: 30.20735

Long: 88.53024

Pick 52

wd: 10.6'

corelength: 252.14 cm

Pen Start: 80.8 barrel broke - redo

Pen Stop: ~~478~~ 450 refused. Lost 6" from bottom, put in plastic bag

EOD

Crew: Capt. K. Ludwig P.J. Flocks
C. Dreher, J. Bernier

8/21/2010

10CCT05-19 ~~1005~~ 1105

Start Time: ~~1047~~ local

Lat: 30.20818

Long: 88.53863

Pick: 53

wd: 26.5

corelength:

Pen Start: 64.7

Pen Stop: ~~580~~ refused barrel broke - retry, no recovery - retry
837 full barrel broke

New per 95.7
per 913

ry again

10CCT05-19

Start Time: 1604

Lat: 30.20816

Long: 88.53863

Pick 53

wd: 24.8'

Pen Start: 1st 116.7

Pen Stop: 915 (full) lost sample - install catcher - redo
460 refusal distinct shell layer at base

Pick 55

Start Time: 1645

Lat: 30.21966

Long: 88.56743

wd: 15.3'

Pen Start: 112.8

Pen Stop: 523 refusal

core length: 211 cm

EOD

8/22/2010

Crew: Capt. K. Ludwig, P.I. J. Flocks
C. Dreher, D. Burnier

10CCT05-21

Pick: 24

Start Time: 950 local

wd: 23.7'

Lat: 30.23380

core length: 355.5

Long: 88.81221

Pen Start: 117

Pen Stop: 680 refusal

557 + 56.2L

10CCT05-22

Pick 10

Start Time: 1036

Lat: 30.24100

wd: 12.7'

Long: 88.81671

corelength: 374 cm

Pen Start: 111

Pen Stop: 775 refusal

10CCT05-23

Pick 25

Start Time: 144 1118

Lat: 30.23098

wd: 17.3

Long: 88.83452

corelength: 467.5 cm

Pen Start: 140

Pen Stop: 248 refusal - remove catcher, flush barrel - redo
814 (full?)

10CCT05-24 A + BC (jet)

Pick 26

Start Time: 1155

Lat: 30.23185

wd: 21.7'

Long: 88.84894

corelength: 201 cm

Pen Start: 112

Pen Stop: 460 refusal 11.25' pull core 10CCT05-24A meas. 6.5'
~~176-228~~ 880 full

Jetted to 420 L, vibracored to full, recovered 156 cm - 256

10CCT05-25

Start Time: 1350

Lat: 30.23795

Long: 88.87128

Pen Start: 110

Pen Stop: 606 refusal

Pick 27

Wd: 15.8'

Cored length: 315.5cm

10CCT05-26

Start Time: 1432¹⁴⁴⁴

Lat: 30.22315

Long: 88.88760

Pen Start: 109¹²⁶

Pen Stop: 912 (full)

~ penetration first try - remove catcher - redo

Pick 28

Wd: 20.5'

Cored length: 534cm

10CCT05-27

Start Time: 1545¹⁵⁵⁰

Lat: 30.21465

Long: 88.89639

Pen Start: 107¹⁵⁴

~ penetration - remove catcher - redo

Pen Stop: 980 (full) about 6" observed lost from bottom

Pick 103

Wd: 24.9'

Cored length: 454.5 cm

Rain delay...

Note: all times to core loccT05-30 are
one hour ahead (eastern).

LOCCT05-28

Start Time: 1706

Lat: 30.23060

Long: 88.78931

Pen Start: 99

Pen Stop: 915 (full) approx. 6" observed ~~dark~~
fell from barrel. Put in ziploc

Pick 23

Wd: 15'

core length: 505.5

LOCCT05-29

Pick 22

Start time: 1741

Lat: 30.23824

Wd: 5.7'

Long: 88.78521

core length:

Pen start: 135

Stop: 583 refusal

EOD

8/23/2010

Crew: Capt. K. Ludwig PI J. Flacks

C. Dreher, J. Bernier, J. Miselis

LOCCT05-30

Pick: 61

Start Time: 0912 local

Lat: 30.22699

Wd: 10'

Long: 88.89971

Core length: 147.5 cm
core length 308.5 cm ft

Pen Start: 130

Pen Stop: 366 refusal - ~~not~~ collect another core at same site

147 2nd 188 159 163

2nd Stop 672 refusal, 658 refusal

EOD

~~WOODRIDGE~~

8/24/2011

Crew: Capt. K. Ludwig, PI. J. Flocks
 J. Bernier, C. Drucker, J. Miselis

10CCT05-31 0911

Pick 62

Start Time: 4011 locd.

Lat: 30.2465

Wd: 14.6'

Long: 88.89912

corelength: 155.5 cm

Pen Start: 114 2nd 132Pen Stop: 375 refusal, keep. Deploy another core w/out catcher
 2nd 634 refusal

31B Corelength: 300.5 cm

10CCT05-32

Pick 29

Start Time: 4071 1007

Wd: 19.5'

Lat: 30.21590

Long: 88.91205

corelength: 283.1

Pen Start: 132

Pen Stop: 525 refusal clean med. wht. sand at base

2nd start: 580 (jet)

Stop: 602 refusal no recovery, no penetration

10CCT05_33

Pick 30

Start Time: 1105

Lat: 30.21365

Long: 88.92228

wd: 14.4

corelength: 370.5

PenStart: 140

PenStop: 696 refusal

10CCT05_34

Pick 31

Start Time: 1144

Lat: 30.21148

Long: 88.93976

wd: 16.6'

corelength: 338

PenStart 122.7

PenStop: 638 refusal

10CCT05_35

Pick 60

Start Time: 1437 13:37?

Lat: 30.20550

Long: 88.93722

wd: 20'

corelength: 437 cm

PenStart 109

PenStop: 912 (full) catcher inverted, none observed lost

10CCT05_36

Pick: 59

Start Time 1924

Lat: 30.19798

Wd: 22.0

Long: 88.93778

core length: 496

Pen Start: 119

Pen Stop: 912 (full)

10CCT05_37

Pick: 32

Start time: 1559

14:59?

Wd: 22'

Lat: 30.20188

core length: 411 cm

Long: 88.95941

Pen Start: 150

Pen Stop: 912 (full)

~1" sample took from bottom on deck - put in bag

10CCT05_38

Pick 33

Start time: 1550

Wd: 19.3

Lat: 30.19651

Long: 88.97785

core length: 234 294

Pen Start: 122.5

Pen Stop: 570 refusal

10CCT05-39

Pick: 34

Start Time: 1624

Lat: 30.20091

Wd: 23.5

Long: 88.98132

corelength: 21'

Pen Start: 171.8

~20"

Pen Stop: 913

~~~20"~~ lost from bottom - put in 2 bags.

~4" lost from top, soft black mud, no shells

EOD

8/25/2010

Crew: Capt: R. Young, P.I. J. Flocks  
J. Bernier, C. Dreher, J. Miselis

10CCT05-40

Pick: 21

Start Time: 0947

Lat: 30.22102

Wd: 31.5'

Long: 88.74850

corelength: 557 cm

Pen Start: 258

Pen Stop: 912 full. Rig was placed on bottom after coring,  
may have seafloor material at base.

10CCT05-41

Pick: 20

Start Time: 1050

Lat: 30.23749

Wd: 16'

Long: 88.72716

corelength:

Pen Start: 122

Pen Stop: 760

100' 00"  
vl-H1

WCCCT05-42

Pick: 19

Start Time: 1150

Lat: 30.22496

wd: 29'

Long: 88.69046

corelength: 554.5 cm

Pen Start: 117

Pen Stop: 912 (full)

WCCCT05-43

Pick: 57

Start Time: 1235

Lat: 30.19551

wd: 41'

Long: 88.68219

corelength: 596 cm

Pen Start: 189

Pen Stop: 910 (full)

WCCCT05-44

Picker: 54.

Start Time: 1347

Lat: 30.21392

wd: 27'

Long: 88.59368<sup>in</sup>

(44 bag top) cut too soon

44

corelength: 221

Pen Start: 109

44.B

: 331.5 354.5

Pen Stop: 477 refusal.

Red 3 2<sup>nd</sup> start 277 113

Red w/out catcher Stop 912 (full)

44.B: lost 12" visual but May be a meter unseen  
Received some on deck in bags

10 CCT 05-45

Pick: 56

Start Time: 1515

Lat: 30.22111

wd: 15.4

Long: 88.61597

corelength: 357.5

Pen Start: 117

Pen Stop: 620 refusal

10 CCT 05-46

Note - same core

Pick:

Start Time: 1637

as 10 CCT 05-49

Lat: 30.25661

wd: 19.7

Long: 88.76994

460 corelength: 302.5 cm

Pen Start: 149

Pen Stop: 560 refusal

460B: corelength:

2<sup>nd</sup> start 287 (w/out catcher)

stop 910 (full)

new pen.

full pen. = 874

full up. = 41.8

10CCT05 - Gilbert Coring TMS/AL Barrier Islands Cont. 9/28/2010  
Capt R. Young PI J. Flocks  
new K. Letso, C. Dreher

Project 10CCT05  
Biloxi, MS

10CCT05-47

start time: 1348 local

lat:  $30^{\circ} 15.517'$

long:  $88^{\circ} 43.402'$

Pick 16

w.d: 17.5'

Pen Start: 261 ~6'

Pen Stop: 876 full  $2\frac{1}{2}$ " refusal @ 610' recovered

47 corelength: 370

47B corelength: 360

lost core, install catcher - redo

$3\frac{1}{2}$ " core refusal at 652'. Obviously hitting hard surface,  
possible channel base -

10CCT05-48

start time: 1521 "

Lat  $30^{\circ} 15.536'$

Long  $88^{\circ} 42.244'$

Pick 15

w.d: 15.5'

Corelength: 483

Pen Start 130.1

Pen Stop full penetration pen broke all sample lost - redo

$2\frac{1}{2}$ " full penetration ~1' correction - none observed bft

locctos-49

Start Time: 1714

16.14

Lat:  $30^{\circ} 15.405'$

Note - Same core

Long:  $88^{\circ} 46.207'$

as locctos-46

Pick 14

wd 20'

Core length: 53

Penstart: ~4-6'

PenStop: full penetration ~3" lost from base

locctos-50

Start Time: 1654

Lat:  $30^{\circ} 15.606'$

Long:  $88^{\circ} 47.057'$

Pick 13

wd: 11.5'

Core length: 288

Penstart: ~1' pen. broken

PenStop: ~11' refusal ~14' refusal (4th)  
~~test all sample~~ reds lost all sample -  
2nd barrel broke off - redo 3rd barrel broke - redo

locctos-51

pick

4th attempt. ~ about 14 feet penetration ~ 10' recovery. none observed

lost but some may have been lost during recovery - no catcher

EOD

Cap. K. Young PI. J. Flocks CREW: K. Kelso, C. Dreher

OCCT05-51

Pick: 58

9/29/2010

Start Time: 1110 local

Lat:  $30^{\circ} 12.431'$

wd: 4.5'

Long:  $88^{\circ} 59.069'$

core length: 506

Pen Start: ~1' pen broke

Pen Stop: full recovery

Note: 24" lost from base - med. - coarse sand scd. It gray sand. Cor. Base of core was cut to accommodate loss.

OCCT05-52

Pick: 04

Start Time:

Lat:  $30^{\circ} 12.223'$

wd: 29.3

Long:  $88^{\circ} 59.783'$

core length: 572

Pen Start: ~1.5"

Pen Stop: full recovery

OCCT05-53

Pick 33

Start Time: 1339 local

Lat:  $30^{\circ} 11.794'$

wd: 19'

Long:  $88^{\circ} 56.678'$

Pen Start: ~1' 2<sup>nd</sup>: ~1'

53 core length: 326

Pen Stop: 2<sup>nd</sup> ~12' refud  
<sup>broke</sup>

53B core length: 298

P2 Atted 53 - Rig pulled over bent kept top (1-st anchor) cease coring - retrieve core (53A). Redo site

$$\begin{array}{ccccccc}
 & & 833 & & 12.3 \\
 & & \overbrace{\quad}^x & \overbrace{\quad}^{x_{\text{core}}} & \overbrace{\quad}^{\text{wd}}
 \end{array}
 \quad
 \frac{71}{888} = \frac{x}{23.5}$$

10CCT05-54

Start Time: 1452

Lat:  $30^{\circ} 12.052'$

Long:  $88^{\circ} 58.880$

Pick 3

wd: 23.1'

corelength: 554

PenStart: ~2'

PenStop:

10CCT05-55

Pick: 03

Start Time: 1541

Lat:  $30^{\circ} 12.766$

Long:  $88^{\circ} 59.253$

wd: 32'

corelength: 317

PenStart: ~2' 1<sup>st</sup> lost core - redo

55B corelength: 361

Pen Stop: fail 2<sup>nd</sup> fail

Note: could not reach site - onshore progressing spit -  
about 300' north

2<sup>nd</sup> attempt too short - redo 3<sup>rd</sup> attempt - stuck barrel  
forever, only 1.5' more gain. Note: 1<sup>st</sup> attempt with no  
catcher was fail (lost) was determined to go to same depth

EOD

Capt. R. Young P.I. J. Flocks

Crew: K. Kelso, C. Dreher

No cores  
Too Windy → 9/30/10

Note Fix pen Top 71  
Bottom 888 > on deck

10CCT05 - 56 - Save # for another day

Start Time:

Lat:

Long:

Pen Start:

Pen Stop: - CAT - ISLAND CORES -

Pick:

wd:

core length:

pen. full: 897

Capt. R. Young P.I. J. Flocks

Crew: C. Dreher, K. Kelso

Cat Island Cores - bitwindy - Project # 10BIM04

10/1/10

CI - 26

Start time: 1044 local

Lat:  $30^{\circ} 11.716$

Long:  $89^{\circ} 07.487$

Pick CI-26-JM

wd: ~~8.5'~~ 8.8'

Pen Start: 77 (~1')

Pen Stop: 870 (~~600?~~)

Core length: 419 cm

Note: hit v. hard surface @ pen. 617, very slow penetration after 650

CI - 25

Start time: 1144

Lat:  $30^{\circ} 10.942$

Long:  $89^{\circ} 07.845'$

Pick CI02JM

wd: 33'

Pen Start: 134

Pen Stop: 897 (full)

Core length: 591

No observed compaction in core

10/11/11

CI-24

Pick:

CI03J

Start Time

Lat:  $30^{\circ} 10.708'$

Wd:  $20.4'$

Long:  $88^{\circ} 07.942'$

corelength: 58

PenStart 180

PenStop: 894 (full)

NGam cores

Back to 10CCT05 project cores - MS/AL Barrier Is.

10CCT05-56

Pick: 01

Start Time 1405

Lat:  $30^{\circ} 13.488'$

Wd:  $20'$

Long:  $88^{\circ} 59.406'$

corelength: 320

PenStart: 171

PenStop: 700 refusal

Note: about 6" observed lost from base - cut off to account for barrel

10CCT05-57

Pick 02

StartTime: 1443

Wd: 30.5'

Lat:  $30^{\circ} 12.883'$

Long:  $88^{\circ} 58.931'$

corelength:

PenStart: 300 215

PenStop: 890 (full)

lost sample, install catcher - redo

10CCT05-58

Pick: 104

Start Time 1542

Lat:  $30^{\circ} 13.618$

wd: 20'

Long:  $88^{\circ} 58.405$

corelength: 437

7.5

Pen Start: 246

Pen Stop: 835 refusal

10CCT05-59

Pick 08

Start Time: 1643

Lat:  $30^{\circ} 13.386$

wd: 5'

Long:  $88^{\circ} 55.101$

corelength: 317 cm

Pen Start: 128      2<sup>nd</sup> 143      3<sup>rd</sup>

Pen Stop: 610 refusal 2<sup>nd</sup> 900 (full)

Trying additional core w/out catcher - clay at base

EOD

Capt. R. Young PI. J. Flocks  
 Crew: C. Breher, K. Kelso

10/2

10CCT05-60

Pick: 06

Start Time: 1218

Lat:  $30^{\circ} 14.142$ 

wd: 18'

Long:  $88^{\circ} 56.135$ 

core length: 471

Pen Start: ~2'

Pen Stop: 840 refusal

10CCT05-61

Pick: 07

Start Time: 1302

Lat:  $30^{\circ} 14.299$ 

wd: 18'

Long:  $88^{\circ} 54.640$ 

Core length: 432

Pen Start: 375' (~7')

Pen Stop: 900' (full) No sample observed lost during recover  
 up to 4' compaction at top observed at top of sample  
 may have been lost

10CCT05-62

Pick 09

Start Time: 1338

Lat:  $30^{\circ} 15.352$ 

wd: 18

Long:  $88^{\circ} 52.568$ 

Core length: 509 cm

Pen Start 326

Pen Stop: 900

Similar strat to previous core. This core had a catcher on similar  
 compaction (~3') was observed

0

10CCT05-63

Start Time: 1415

Lat:  $30^{\circ} 14.907$ Long:  $88^{\circ} 49.858$ 

Pick: 12

wd: 29'

Pen Start: 170

Pen Stop: 900

Core length: 530 cm

Catcher inverted but not much observed loss, minimal compaction observed.

10CCT05-64

Start Time: 1502

Lat:  $30^{\circ} 15.395$ Long:  $88^{\circ} 49.018$ 

Pick: 11

wd: 11'

core length: 434 cm

Pen Start:  $\frac{121}{130} (\sim \frac{1}{2})$ Pen Stop:  $\frac{232}{900}$  full lost core - install catcher and redo

(cr.)

10CCT05-65

Start Time: 1625

Lat:  $30^{\circ} 13.863$ Long: ~~88~~  $89^{\circ} 00.136$ 

Pick 65

wd: 16'

Core length: 538

Pen Start: 140

Pen Stop: 900 full